

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|------------------------|------------------|---------|------------------|
| L1 | 75 | (separator same battery) and 429/1-255.ccls. and (binder with separator with (performance or resistance)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 10:11 |
| L2 | 25 | (first separator layer and second separator layer) and battery and 429/1-255.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 10:29 |
| L3 | 12 | (first separator layer and second separator layer) and battery and 429/1-255.ccls. and @pd< "20031105" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 10:31 |
| L4 | 814 | (battery same separator) and ((multi or plurality or multiple) near4 (sheets or layers)) and 429/1-255.ccls. and @pd< "20031105" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 10:40 |
| L5 | 254 | (battery same separator) and (((multi or plurality or multiple) near4 (sheets or layers)) same (improv\$5 or enhanc\$5 or increas\$3 or decreas\$3 or better)) and 429/1-255.ccls. and @pd< "20031105" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 10:42 |
| L6 | 87 | (battery same separator) and (((multi or plurality or multiple) near4 (sheets or layers)) with (improv\$5 or enhanc\$5 or increas\$3 or decreas\$3 or better)) and 429/1-255.ccls. and @pd< "20031105" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 10:42 |

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| L7 | 33 | (battery same separator) and (((multi or plurality or multiple) near4 (sheets or layers)) with (improv\$5 or enhanc\$5 or increas\$3 or decreas\$3 or better) with separator) and 429/1-255. ccls. and @pd< "20031105" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 10:42 |
| L8 | 104 | (battery same (cylindrical near2 separator)) and @pd< "20031105" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 10:57 |
| L9 | 0 | (battery same (cylindrical near2 separator)) and @pd< "20031105" and (binder near4 ("not used") with (performance or resistance)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 10:58 |
| L10 | 0 | (battery same (cylindrical near2 separator)) and @pd< "20031105" and (binder near4 ("not used")) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 10:59 |
| L11 | 0 | (battery same (cylindrical near2 separator)) and @pd< "20031105" and (binder near2 lack\$3) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 11:00 |
| L12 | 1 | (battery same (cylindrical near2 separator)) and @pd< "20031105" and (binder with internal resistance) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 11:00 |
| L13 | 2 | (battery same (cylindrical near2 separator)) and @pd< "20031105" and (binder with resistance) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 11:01 |
| L14 | 0 | (battery same (cylindrical near2 separator)) and @pd< "20031105" and (binder with "with" with "without") | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 11:04 |
| L15 | 1407 | @pd< "20031105" and (binder with increas\$3 with resistance) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 11:29 |
| L16 | 99 | @pd< "20031105" and (binder with increas\$3 with resistance) and battery | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 11:29 |

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| L17 | 36 | @pd<"20031105" and (binder with resistance with separator) and battery | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 11:32 |
| L18 | 0 | @pd<"20031105" and (binder with cloggs with pores with separator) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 11:36 |
| L19 | 0 | @pd<"20031105" and (binder with clog\$4 with pores with separator) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 11:36 |
| L20 | 0 | @pd<"20031105" and (binder with fills with pores with separator) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 11:36 |
| L21 | 0 | @pd<"20031105" and (binder with detrimental with separator) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 11:37 |
| L22 | 41 | @pd<"20031105" and ((binder with (fill\$3 or clog \$3) with por\$3) same separator) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 11:37 |
| L23 | 29 | @pd<"20031105" and ((binder with (fill\$3 or clog \$3) with por\$3) same separator) and (battery same separator) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 11:38 |
| L24 | 63 | @pd<"20031105" and (separator near4 (layers or sheets)) same (binder with (ineffective or detrimental or increas\$3 or decreas\$3 or less\$3 or caus\$3)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/10 11:46 |
| S1 | 4 | ("6035518" "6099987" "6270833" "6541152"). PN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/10/14 17:20 |
| S2 | 1208 | @pd<"20031105" and (separator and cellophane) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/10/15 12:57 |
| S3 | 65 | @pd<"20031105" and (separator and cellophane and semi-permeable membrane) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/10/15 12:57 |
| S4 | 8 | @pd<"20031105" and (separator with cellophane with semi-permeable membrane) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/10/15 12:57 |

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| S5 | 1 | @pd< "20031105" and (separator with cellophane with semi-permeable membrane) and "7101" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/10/15 13:04 |
| S6 | 7 | @pd< "20031105" and (thermoplastic sealant with bottom with separator) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/10/15 13:18 |
| S7 | 437 | @pd< "20031105" and 429/133.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/10/15 13:30 |
| S8 | 0 | @pd< "20031105" and 429/133.ccls. and alkaline cell and separator and multiple layer | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/10/15 13:30 |
| S9 | 15 | @pd< "20031105" and 429/133.ccls. and alkaline cell and separator | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/10/15 13:30 |
| S10 | 7 | "6270833" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/06/08 11:28 |
| S11 | 7 | (djuro near2 slivar).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/06/08 11:30 |
| S12 | 14 | (hibar near2 systems).as. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/06/08 11:35 |
| S13 | 2 | ("4620665").PN. OR ("6270833").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/08 11:37 |
| S14 | 202 | 429/165.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/08 11:39 |
| S15 | 583 | 429/129.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/08 11:53 |
| S16 | 428 | 429/129.ccls. and separator | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/08 11:53 |
| S17 | 283 | 429/129.ccls. and @pd< "20031105" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/08 11:54 |
| S18 | 6 | "6,361,899" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/09 17:49 |

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| S19 | 1 | ("6,361,899").PN. | USPAT; USOCR | OR | OFF | 2010/06/09 17:49 |
| S20 | 1 | ("5300371").PN. | USPAT; USOCR | OR | OFF | 2010/06/09 17:51 |
| S21 | 1 | ("3,897,266").PN. | USPAT; USOCR | OR | OFF | 2010/06/09 18:02 |
| S22 | 1 | S21 and binder | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/09 18:02 |
| S23 | 0 | @pd<"20031105" and (separator with (plural\$3 or multiple) with sheets) same (no binder or (without any binder)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/09 18:59 |
| S24 | 0 | @pd<"20031105" and (separator with (plural\$3 or multiple) with (sheets or membranes)) same (no binder or (without any binder)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/09 19:00 |
| S25 | 1880 | @pd<"20031105" and (separator with (plural\$3 or multiple) with (sheets or membranes)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/09 19:00 |
| S26 | 475 | @pd<"20031105" and (separator with (plural\$3 or multiple) with (sheets or membranes)) and 429/1-255.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/09 19:00 |
| S27 | 75 | @pd<"20031105" and (separator near3 (plural\$3 or multiple) near3 (sheets or membranes)) and 429/1-255.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/09 19:01 |
| S28 | 1 | ("20030008214").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/06/09 19:04 |
| S29 | 1 | S28 and binder | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/09 19:05 |
| S30 | 1 | ("4,650,730").PN. | USPAT; USOCR | OR | OFF | 2010/06/09 19:13 |
| S31 | 934 | (yoshida).in. and separator | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/09 19:19 |
| S32 | 165 | (yoshida).in. and separator with battery | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/09 19:19 |
| S33 | 0 | (yoshida).in. and separator with battery and first separator layer | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/09 19:19 |
| S34 | 9 | first separator layer and second separator layer and third separator layer | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/09 19:19 |

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| S35 | 28 | first separator layer and second separator layer and 429/1-255.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/09 19:20 |
| S36 | 1 | ("20010005560").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/06/09 19:22 |
| S37 | 1 | S36 and binder | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/09 19:23 |

EAST Search History (I)nterference)

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6/10/2010 12:12:18 PM

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